

# Goodbody Gazette

Department of History and Philosophy of Science at Indiana University

No. 6

College of Arts and Sciences Alumni Association

Winter 1996

## 'The Great Instauration'

## Chair's corner

Five years ago, when I sent my first annual report to the Deanery, I began with a tribute to Victor Thoren, who had died a month earlier. Since that time the department has lost Ed Grant, John Winnie, and Linda Wessels to retirement, Steven Kellert to competition, and Zeno Swijtink to Berlin. What had become a desperate situation last spring would have turned into a calamity this year, had it not been for some extraordinary events.

You have previously read that Michael Friedman has joined the faculty of both history and philosophy of science and philosophy as the Ruth Halls Professor in the Humanities. His presence was instrumental in bringing Michael Dickson, a philosopher of quantum mechanics, to the department. Furthermore, the Deanery authorized two searches at open rank. As a result, William Newman, a medievalist and historian of alchemy, and Domenico Bertoloni Meli, who specializes in early modern science, will be joining the department as associate professors beginning in 1996-97. Visiting scholars Gillian Barker and Ken Howell will teach for us this year.

So what seemed to be five trying years for the chair has ended in a veritable crescendo. It will be a different department from what most of you knew, but it will be a very exciting one. Many familiar faces (i.e., those of Grant, Westfall, Gordon, and Buck) however, are frequently visible in Goodbody Hall.



Fred Churchill presents the Thoren Award to Alice Dreger.

When I reflect on what has made this Instauration possible, I am convinced a large share of the credit goes to our students, past and present. That five of our graduates ran for offices in HSS and four in the PSA the same year, was an impressive statistic to broadcast to the Deanery. That our graduate students taught courses and new Topics courses, which are so successful, speaks for itself. I have recited the academic and research accomplishments of the students to the dean and now to you:

"...Our graduate students continue to do well in both national and university competitions. Our second year student Elizabeth Green won the 1995 Essay Award from the Society for the History of Discoveries. Elizabeth was also awarded a three-year NSF Fellowship. She joins Charles Twardy, also a second-year student, who in 1995-96 will be in the second year of an NSF fellowship. Julianne Tuttle and Judy Johns Schloegel, both at the dissertation writing stage, have won handsome disserta-

(continued on page 2)

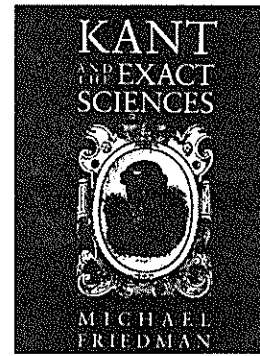
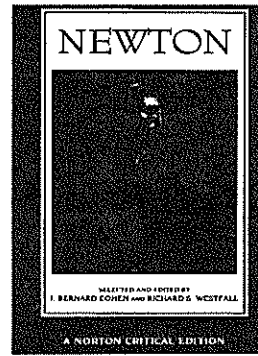
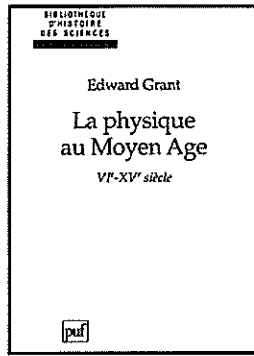
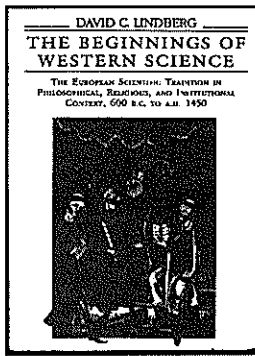
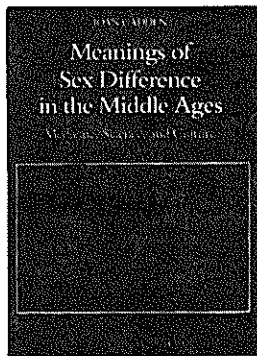
It has indeed been a hectic and exciting time for me since coming to IU one year ago. This past year, we engaged in large-scale job searches in both history of science and philosophy of science. And this year, I find myself as chair of the department in only my second year in HPS. I sincerely hope that I will be able to help continue the dramatic rebuilding effort we began last year.

Fred Churchill has described the results of our history search, which resulted in offers of tenured positions to two particularly distinguished younger scholars — William Newman, from Harvard, who accepted our offer this past summer, and Domenico Bertoloni Meli, from Cambridge, who, I am happy to report, has accepted our offer this fall. Both will be joining us in 1996-97.

On the philosophy side, we have hired Michael Dickson, a young philosopher of physics who just received his PhD from Notre Dame (directed by James Cushing). This year, Michael is joining us as a postdoctoral fellow and will be teaching one course in philosophy of physics in the spring semester. Next year, Michael will become an assistant professor, teaching a normal complement of courses. Despite the fact that he has only just completed his PhD, Michael has already published a large number of significant papers in such journals as *Philosophy of Science*, *Synthese*, *Foundations of*  
(continued on page 2)



# New Hoosier Paperbacks



**J**oan Cadden ('71) received the 1994 Pfizer Award for the outstanding book in the history of science at the annual meeting in New Orleans. The Pfizer award, the highest honor awarded by the History of Science Society, honors the best scholarly work published in the previous three years. Cadden's book, *The Meaning of Sex Difference in the Middle Ages: Medicine, Science, and Culture*, is now available in paperback.

The Watson Davis Prize for the out-

standing book in history of science directed to a wide audience went to Dave Lindberg ('65) for his work *The Beginnings of Western Science; The European Scientific Tradition in Philosophical, Religious, and Institutional Context, 600 B.C. to A.D. 1450*.

It has been a good year for medieval scholarship! Ed Grant's "little book," *Physical Science in the Middle Ages*, is now available in a revised French edition with a completely new bibliographic essay.

Sam Westfall and I.B. Cohen have just brought out a Norton Critical Edition of Newton's works intertwined with commentaries on them by both contemporaries and historians. The editors provide short but meaty introductions to each section and several useful appendices including a glossary of chemical terms ranging from *alcahest* to *vitriol*.

Michael Friedman's *Kant and the Exact Sciences* (Harvard) is now out in paperback. It provides an excellent example of how an understanding of the works of great philosophers requires a careful study of their responses to the science of their times.

## 'The Great Instauration'

(continued from page 1)

tion research grants to pay for expenses in travel, archival research, and oral interviews. Judy Hammett received a College of Arts and Sciences dissertation-year fellowship. Brad Hume will be a Mellon Research Fellow at the American Philosophical Society Library. Various travel grants were awarded to Jordan Marché, Judy Schloegel, and Danny Burton. Dan also won a Distinguished University Credit Course Book Award from the National University Continuing Education Association for the publication of his textbook on "The

Occult in Western Civilization," especially designed for the IU Continuing Education's version of X207. This year's Victor E. Thoren Graduate Student Research Scholarship of \$1,000 was awarded to Alice Dreger, who has landed a visiting appointment at the HST program in Minnesota."

Finally, we have expanded to the basement of Goodbody Hall, where associate instructors have three refurbished studies at their disposal. The instauration is both intellectual and physical.

— Fred Churchill

## Chair's corner

(continued from page 1)

*Physics, British Journal for the Philosophy of Science, Studies in History and Philosophy of Science, and Physical Review*. He has also been a visiting scholar at Cambridge and has taught at the University of South Carolina, where he did a specially designed combined BA/BS degree as an undergraduate. Michael's remarkable talent and energy shows itself outside the sphere of academia as well. He was offered a position playing French horn with the Cleveland Orchestra (!), and, I am told, he is no mean soccer player and quite a gourmet cook.

Also joining us this year, as a visiting

instructor, is Gillian Barker. Gillian is presently completing her PhD in philosophy of biology at San Diego (directed by Philip Kitcher) and is teaching two courses in philosophy of biology for us this year. She is particularly interested in drawing general epistemological lessons from biological science, and her dissertation is exploring how inferences by abstraction, analogy, and induction figure in various biological models. Gillian has already published an important paper on "Lamarckian" cases of biological change, which has received favorable critical attention in such journals as *The Quarterly Review of Biology* and *BioScience*.

— Michael Friedman

## Goodbody Gazette

The *Goodbody Gazette* is published by the Indiana University Alumni Association, in cooperation with the Department of History and Philosophy of Science and the College of Arts and Sciences Alumni Association, to encourage alumni interest in and support for Indiana University. For information on membership or activities, call (800) 824-3044 or e-mail (iualumni.indiana.edu).

### Department of History and Philosophy of Science

Chair ..... Michael Friedman  
 Editorial Assistant ..... Karen Newman  
 Ghost Writer ..... Noretta Koerge

### College of Arts & Sciences

Dean ..... Morton Lowengrub  
 Director of Development ..... Susan Dunn Green

### IU Alumni Association

University Director for Alumni Affairs ..... Jerry F. Tardy  
 Assistant Alumni Director ..... Jodi Hollowitz  
 Editor for Constituent Publications ..... Carol Edge  
 Editorial Assistant ..... Leora Baude



David Grandy ('94) is now a tenured member of the history department at Brigham Young University in Hawaii.

Kevin Korb ('92) is now deputy head of the Department of Computer Science at Monash University.

Peter Ramberg ('93) has accepted a job in the chemistry department at North Dakota State in Fargo. As far as he can find out, he is the only card-carrying historian of science in North Dakota.

Tom Franzel ('92) is excited about the project at Oregon State to put the Pauling archives on the Internet.

Bill McKinney ('93) won a distinguished teaching award at Southeast Missouri State. He tells us that Joel Smith came to Cape Girardeau to give the keynote address for the computer fair. Bill is also active on the HOPOS Steering Committee.

Chaman Jain ('75) and Santosh were featured in a *Herald-Times* story about their annual Thanksgiving feast for 25-45 foreign students here in Bloomington.

After years of yeoman service at the NSF, Ron Overman ('74) is retiring from his position as program officer and building a house in Hawaii.

Jim Voelkel ('94) received a grant from Dudley Observatory to do research for a book on the correspondence between Kepler and Fabricius. He will visit the archives in St. Petersburg and East Frisia this summer and return to Harvard this fall to assist in Owen Gingerich's core science classes.

Representing HPS at the biology conference in Louvain were Fred Churchill, Judy Johns Schloegel, and Anne Mylott, as well as Jane Maienschein ('78), Ron Rainger ('81), Marcia Richmond ('86), David Hull ('64) and Michael Ruse. There were a few non-Hoosiers there, too!

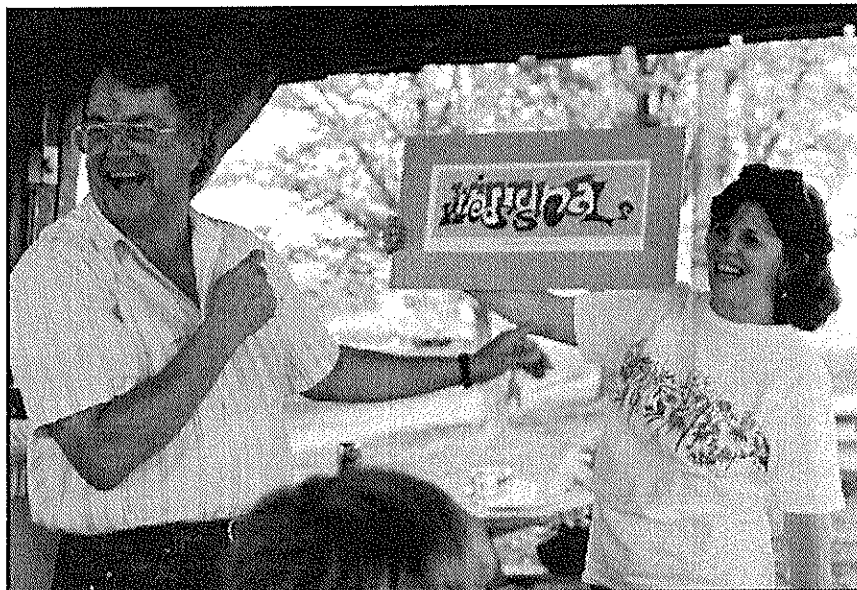
Fred Churchill won a handsome Templeton Foundation grant for his course on Evolution, Religion, and Science.

Jim Capshew's manuscript titled *Psychologists on the March* has been accepted for publication by Cambridge University Press.

Richard Sorrenson was doing research at the Whipple Museum in Cambridge this summer.

Noretta Koertge has been invited to lecture on themes arising from *Professing Feminism* for general audiences at the University of Florida and the University of Montana. While participating in a conference, called "The Flight from Sci-

## Wessels and Winnie Gone to Sea



The call of the wild (plus a favorable stock market) proved too much to resist! At the spring picnic, we bade farewell to Linda Wessels and John Winnie as they cleaned out their offices, sold their house, and planned sailing expeditions to Alaska, Mexico, and Hawaii.

John first came to HPS as a visitor in 1970 (the same year in which Coffa and Koertge arrived) and took up a regular position in 1973. Linda joined the faculty in 1976, so between them they have contributed 40 years of ser-

vice to the department. How we will miss their well-crafted lectures and patient thesis-supervision, not to mention those lunches at Bear's and tacky movie parties.

They're still on e-mail, though — at (jlwinnie@cyberport.net) — and John will be reading a paper next spring at the Pacific APA. We look forward to visiting them in Montana and hearing about whales and gales when they return to Bloomington for their students' dissertation defenses.

ence and Reason," at the New York Academy of Sciences, she saw Wini Warren, who gave her a guided tour of Little Italy.

Marco Giunti ('92) celebrated sending the final draft of his book to Oxford by having a Florentine ice cream with Wally Hooper ('92), who spent the summer at the Museo di Storia della Scienza.

Keiko Ichiye is finishing her dissertation while studying law at the University of Michigan.

Chet Buzzeli ('80) works at the New Jersey Department of Health as a specialist in standards and quality assurance.

Mark Tamthai ('75) and Tom McMullen ('89) dropped by DHPS on their summer vacations.

Oswaldo Pessoa ('90) is on the editorial board of *Manuscrito*, a philosophy journal published in Campinas, Brazil.

Richard Ferrier ('80) is doing a lot of speaking on behalf of the California Civil Rights Initiative.

William Andrew Bradnan ('77) is working on *Essays at Dawn*, a collection of short essays about a variety of philosophical topics. He and his wife, Rosemary, live in Hilton Head, S.C.

Ferrel Christensen ('70) is editor of *Balance: The Inclusive Vision of Gender Equality*, a quarterly published by MERGE (Movement for the Establishment of Real Gender Equity).

Ed Grant's new book on the medieval cosmos, *Planets, Stars & Orbs*, won the Medal for Excellence in the area of physics and astronomy from the Association of American Publishers.

Sam Westfall has been named IU's first Henry H.H. Remak Distinguished Scholar, a position designed to "create a better public appreciation for the role of research in the well-being of society." Sam will be visiting all eight IU campuses.

Michael Friedman is now president of the APA-Central Division and president-elect of the PSA.

# From the HPS archives

The following tribute to IU HPS was sung by Joan Cadden to the tune of "O Tannenbaum" at the 1985 Departmental Reunion. It evokes the ethos of the Department in the late 1960s.

O, HPS! O, HPS! We hail thee, alma mater!  
O, HPS! O, HPS! You made us so much smarter!  
Though some learned Phil. against their will;  
And others missed the point of Hist.  
We've come somehow  
To grasp it now  
All thanks to you, dear HPS.

Enscorced in Grant's antiquity,  
I watched Achilles' turtle.  
Wes Salmon then confounded me  
With simplicity and Goedel.  
Did I prefer to follow Bacon?  
Th'inductive leap too quickly taken,  
I plunged—oh irony supreme—  
Too deep in Heraclitus' stream.

O, Reichenbach! Oh, Gruenbaum!  
Gave me too much Gedankenraum.  
The here and now got lost somehow,  
And even Newton took his bow.  
When made to read of time and place,  
I retreated to Aristotelian space:  
A finite sphere, its limits clear.  
I took a spear up just in case.

Vic gave us an objective test  
To find out who would turn out best.  
And now I wonder if he'd dare  
His data and predictions air.  
Say who did badly? Who did well?  
Say, Vic, can you our futures tell?  
Oh, is it science? Is it bingo?  
*Hypotheses non fingo.*

Fred taught us good biology,  
It's really hard to fault 'im.  
Ontogeny recapitulates phylogeny;  
*Natura non facit saltum.*  
And Roger Buck had such bad luck,  
His q's and p's and J.N.D.'s  
Oft wasted on our dreary bunch,  
A bit too sleepy after lunch.

Ron Giere taught philosophy,  
But other lessons stuck with me.  
Oh, in my thesis would I meet  
My last and greatest "Incomplete"?  
When by my own words I was smitten,  
And by the bug perfection bitten,  
He kicked me right where I was sittin';  
"Don't get it right, just get it written!"

Our discipline is virtuous;  
It is no peccadillo.  
We all work hard, because we know  
That *nihil ex nihilo*.  
And NSF gave us a push.  
Just think what they have paid for!  
They want some action and they know,  
*Omnia quod movetur ab alia movetur.*

O, HPS! O, HPS! We hail thee, alma mater!  
O, HPS! O, HPS! You made us so much smarter!  
Though some learned Phil. gainst their will;  
And others missed the point of Hist.  
We've come somehow  
To grasp it now  
All thanks to you, dear HPS.

—Joan Cadden, 1985

INDIANA UNIVERSITY  
ALUMNI ASSOCIATION



Fountain Square, Suite 219  
Post Office Box 4822  
Bloomington, Indiana 47402-4822

Nonprofit Organization  
U.S. Postage  
PAID  
Indiana University  
Alumni Association



Printed in U.S.A. on recycled paper